

What can I do with a...

# Major in Environmental Science?

<i>I CAN GO IN TO...</i>	<i>AND POSSIBLY WORK FOR...</i>	<i>DOING THIS CAN HELP ME GET THERE...</i>	<i>SAMPLE COMPANIES</i>	<i>SAMPLE TITLES</i>
CAREER AREA	POTENTIAL EMPLOYERS & INDUSTRIES	CAREER PREPARATION STRATEGIES	SAMPLE LIST FOR THIS MAJOR	SAMPLE LIST FOR THIS MAJOR
<b>ENVIRONMENTAL REMEDIATION/COMPLIANCE</b>				
Ground water Surface water Soils Air Sediments: <ul style="list-style-type: none"> <li>• Remediation</li> <li>• Liability</li> <li>• Audit</li> <li>• Compliance</li> <li>• Sustainability</li> </ul>	Federal government: <ul style="list-style-type: none"> <li>• Army Corps of Engineers</li> <li>• Department of Defense</li> <li>• Environmental Protection Agency</li> <li>• Department of Interior: Bureau of Reclamation, Office of Surface Mining, Bureau of Land Management</li> <li>• Department of Agriculture</li> <li>• Natural Resource Conservation Service</li> </ul> Environmental Protection Agency Department of Defense Agricultural consulting firms Environmental consulting firms	<p><b>Sharpen your skills</b></p> <ul style="list-style-type: none"> <li>• Communication skills, both oral and written, as well as the ability to work as part of a team.</li> <li>• Conduct regulatory research. Plan to travel to worksites.</li> <li>• Data management, analysis and tools used for remediation (e.g., GIS, CADD and regulatory/compliance software).</li> <li>• OSHA HAZWOPER training may be required for some positions.</li> </ul> <p><b>Gain experience</b> Intern, volunteer, or other part-time positions with government or private remediation projects.</p> <p><b>Network</b> Click or tap here to enter text.</p> <p><b>Pursue a minor</b> Click or tap here to enter text.</p> <p><b>Pursue graduate school</b> Click or tap here to enter text.</p>	<ul style="list-style-type: none"> <li>• Clean Water Action</li> <li>• Texas Water Development Board</li> <li>• Allergan, Inc.</li> </ul>	<p><b>Job titles</b></p> <ul style="list-style-type: none"> <li>• Entry Level Grassroots Organizer</li> <li>• Environmental (Natural Resources Specialist III)</li> <li>• Engineer</li> </ul> <p><b>Internship titles</b></p> <ul style="list-style-type: none"> <li>• Community Organizer Internship</li> </ul>

CAREER AREA	POTENTIAL EMPLOYERS/INDUSTRIES	CAREER PREPARATION STRATEGIES	SAMPLE LIST FOR THIS MAJOR	SAMPLE LIST FOR THIS MAJOR
<b>WASTE MANAGEMENT</b> <ul style="list-style-type: none"> <li>• Risk assessment</li> <li>• Quality control</li> <li>• Logistics</li> <li>• Planning</li> <li>• Recycling</li> <li>• Transportation</li> <li>• Compliance</li> <li>• Environmental engineering</li> <li>• Public and environmental health</li> <li>• Industrial hygiene</li> </ul>	Federal, state, and local government: <ul style="list-style-type: none"> <li>• Environmental Protection Agency</li> <li>• Department of Energy</li> <li>• City/county waste management departments</li> <li>• Recycling centers</li> </ul> Private waste management firms Consulting firms Nonprofit organizations	<p><b>Sharpen your skills</b></p> <ul style="list-style-type: none"> <li>• Communication skills, both written and oral. Courses in technical writing.</li> <li>• Decision-making and problem-solving skills, diplomacy and the ability to work under pressure. Flexibility and willingness to look at issues from various perspectives.</li> <li>• Current technologies, regulations and statutes.</li> </ul> <p><b>Gain experience</b>            Volunteer or intern positions related to waste management.</p> <p><b>Network</b>            Join community groups or service organizations that focus on environmental awareness.</p> <p><b>Pursue a minor</b>            Click or tap here to enter text.</p> <p><b>Pursue a graduate degree</b>            Click or tap here to enter text.</p>	<ul style="list-style-type: none"> <li>• Clean Water Action</li> <li>• Texas Water Development Board</li> <li>• Lonestar Ecology, LLC</li> <li>• Center for Environmental Management of Military Lands at Colorado State University</li> </ul>	<p><b>Job titles</b></p> <ul style="list-style-type: none"> <li>• Environmental (Natural Resources Specialist III)</li> <li>• Outside Service, Environmental Technician</li> <li>• Natural Resources Technician</li> </ul> <p><b>Internship titles</b></p> <ul style="list-style-type: none"> <li>• Community Organizer - Internship</li> </ul>

CAREER AREA	POTENTIAL EMPLOYERS/INDUSTRIES	CAREER PREPARATION STRATEGIES	SAMPLE LIST FOR THIS MAJOR	SAMPLE LIST FOR THIS MAJOR
<b>ENVIRONMENTAL EDUCATION AND COMMUNICATION</b>				
<p>Teaching:</p> <ul style="list-style-type: none"> <li>• Elementary</li> <li>• Secondary</li> <li>• Post-Secondary</li> <li>• Non-classroom education</li> </ul> <p>Technical writing Editing Illustrating Photography Public relations Tourism</p>	<p>Public and private schools, K-12 Two-year community colleges/technical institutes Four-year colleges and universities Museums Zoos Nature centers and parks Publishing companies:</p> <ul style="list-style-type: none"> <li>• Scientific magazines, professional journals, periodicals, textbooks, online publishers</li> </ul> <p>Newspapers Educational and scientific software companies Environmental organizations Government agencies Nonprofit organizations</p>	<p><b>Sharpen your skills</b></p> <ul style="list-style-type: none"> <li>• Learn to work well with people of varying backgrounds and skills.</li> <li>• Interpersonal and communication skills.</li> </ul> <p><b>Gain experience</b></p> <ul style="list-style-type: none"> <li>• Peer tutoring.</li> <li>• Join Texas Master Naturalists.</li> <li>• Knowledge of photographic procedures and technology.</li> </ul> <p><b>Network</b> Click or tap here to enter text.</p> <p><b>Pursue a minor</b></p> <ul style="list-style-type: none"> <li>• Teacher preparation program.</li> <li>• Technical writing or journalism.</li> <li>• Communications or public relations.</li> </ul> <p><b>Pursue a graduate degree</b></p> <ul style="list-style-type: none"> <li>• Master's degree in Education</li> <li>• Ph.D</li> </ul>	<ul style="list-style-type: none"> <li>• Texas Campaign for the Environment</li> <li>• Keep Texas Beautiful</li> <li>• Center for Environmental Management of Military Lands at Colorado State University</li> </ul>	<p><b>Job titles</b></p> <ul style="list-style-type: none"> <li>• Environmental Education Outreach</li> <li>• Natural Resources Technician</li> </ul> <p><b>Internship titles</b></p> <ul style="list-style-type: none"> <li>• Community Organizer Internship</li> <li>• Communications Intern</li> </ul>

CAREER AREA	POTENTIAL EMPLOYERS/INDUSTRIES	CAREER PREPARATION STRATEGIES	SAMPLE LIST FOR THIS MAJOR	SAMPLE LIST FOR THIS MAJOR
<b>ENVIRONMENTAL LAW</b>				
<ul style="list-style-type: none"> <li>Political action/Lobbying</li> <li>Regulatory affairs</li> <li>Science policy</li> <li>Patent law</li> <li>Nonprofit or public interest</li> <li>Environmental Law</li> <li>Mediation</li> </ul>	<p>Law firms Large corporations Federal and state government:</p> <ul style="list-style-type: none"> <li>Environmental Protection Agency</li> <li>Department of Justice</li> <li>Attorney General Offices</li> </ul> <p>Political Action Committees Nonprofit organizations (e.g., Green Action and Natural Resources Defense Council).</p>	<p><b>Sharpen your skills</b></p> <ul style="list-style-type: none"> <li>Research and writing skills, public speaking, and debate team or Toast Masters, a public speaking organization.</li> <li>Maintain current knowledge of conservation and regulation compliance.</li> <li>History, political science and/or legal studies.</li> </ul> <p><b>Gain experience</b> Click or tap here to enter text.</p> <p><b>Network</b> Click or tap here to enter text.</p> <p><b>Pursue a minor</b> Pre-law</p> <p><b>Pursue a graduate degree</b></p> <ul style="list-style-type: none"> <li>Law school</li> <li>LSAT</li> <li>Environmental law and policy, conservation, and sustainable development</li> </ul>	<ul style="list-style-type: none"> <li>Texas Campaign for the Environment</li> <li>Texas Water Development Board</li> </ul>	<p><b>Job titles</b></p> <ul style="list-style-type: none"> <li>Environmental Activist</li> <li>Environmental (Natural Resources Specialist III)</li> </ul> <p><b>Internship titles</b> Click or tap here to enter text.</p>

CAREER AREA	POTENTIAL EMPLOYERS/INDUSTRIES	CAREER PREPARATION STRATEGIES	SAMPLE LIST FOR THIS MAJOR	SAMPLE LIST FOR THIS MAJOR
<b>SOIL SCIENCE</b>				
<ul style="list-style-type: none"> <li>• Soil and water conservation</li> <li>• Land use planning</li> <li>• Waste disposal</li> <li>• Environmental compliance</li> <li>• Reclamation of contaminated lands</li> <li>• Landfill operation and monitoring</li> <li>• Agrichemical management</li> <li>• Fertilizer technology</li> <li>• Agricultural production:</li> <li>• Food and fiber</li> <li>• Research</li> <li>• Education</li> </ul>	<p>Federal government:</p> <ul style="list-style-type: none"> <li>• Environmental Protection Agency</li> <li>• Natural Resource Conservation Service</li> <li>• Department of Agriculture</li> <li>• Department of Health and Human Services</li> </ul> <p>State farm bureaus</p> <p>Environmental research laboratories</p> <p>Agricultural or environmental consultant firms</p> <p>Privately owned farms and ranches</p> <p>Universities</p>	<p><b>Sharpen your skills</b></p> <ul style="list-style-type: none"> <li>• Acute observational skills.</li> <li>• Laboratory and research experience.</li> <li>• Current environmental issues including policy, conservation and industry trends.</li> <li>• Technology used in natural resource management including software, geographical information systems and global positioning systems.</li> <li>• Certification programs offered by the Soil Science Society of America including soil science and agronomy.</li> </ul> <p><b>Gain experience</b> Click or tap here to enter text.</p> <p><b>Network</b> Join Texas Master Naturalist on campus</p> <p><b>Pursue a minor</b> Click or tap here to enter text.</p> <p><b>Pursue a graduate degree</b> Click or tap here to enter text.</p>	<ul style="list-style-type: none"> <li>• National Center For Appropriate Technology</li> <li>• Texas Water Development Board</li> </ul>	<p><b>Job titles</b></p> <ul style="list-style-type: none"> <li>• Sustainable Agriculture Specialist</li> <li>• Environmental (Natural Resources Specialist III)</li> </ul> <p><b>Internship titles</b> Click or tap here to enter text.</p>

CAREER AREA	POTENTIAL EMPLOYERS/INDUSTRIES	CAREER PREPARATION STRATEGIES	SAMPLE LIST FOR THIS MAJOR	SAMPLE LIST FOR THIS MAJOR
<b>AIR/WATER QUALITY MANAGEMENT</b>				
<ul style="list-style-type: none"> <li>• Testing/Analysis</li> <li>• Watershed management</li> <li>• Stream restoration</li> <li>• Sustainable infrastructure</li> <li>• Risk assessment</li> <li>• Project development</li> <li>• Compliance</li> <li>• Permitting</li> <li>• Modeling</li> </ul>	<p>Federal, state, and local government:</p> <ul style="list-style-type: none"> <li>• Environmental Protection Agency</li> <li>• Geological survey</li> <li>• Natural Resource Conservation Service</li> <li>• Fish and Wildlife Service</li> <li>• Department of Agriculture</li> <li>• Public works departments</li> </ul> <p>Consulting firms Private laboratories Nonprofit organizations Water treatment plants Consumer products manufacturers</p>	<p><b>Sharpen your skills</b></p> <ul style="list-style-type: none"> <li>• Research skills, coursework with laboratory components, and assist faculty with research projects.</li> <li>• Local and federal regulatory agencies and laws.</li> <li>• Oral communication and technical writing skills. Collaborate in a team environment.</li> <li>• Tools and software associated with watershed modeling or air dispersion modeling.</li> </ul> <p><b>Gain experience</b> Click or tap here to enter text.</p> <p><b>Network</b> Texas Master Naturalists on campus</p> <p><b>Pursue a minor</b> Certification programs offered by the American Institute of Hydrology.</p> <p><b>Pursue a graduate degree</b> Click or tap here to enter text.</p>	<ul style="list-style-type: none"> <li>• Texas Campaign for the Environment</li> <li>• Clean Water Action</li> <li>• Texas Water Development Board</li> </ul>	<p><b>Job titles</b></p> <ul style="list-style-type: none"> <li>• Community Organizer</li> <li>• Entry Level Grassroots Organizer</li> <li>• Database Administrator</li> </ul> <p><b>Internship titles</b> Click or tap here to enter text.</p>

CAREER AREA	POTENTIAL EMPLOYERS/INDUSTRIES	CAREER PREPARATION STRATEGIES	SAMPLE LIST FOR THIS MAJOR	SAMPLE LIST FOR THIS MAJOR
<b>PLANNING AND CONSERVATION</b>				
<ul style="list-style-type: none"> <li>Natural resource management” Land, soil, water, plants, and animals</li> <li>Sustainability management</li> <li>Water resources</li> <li>Aviation planning</li> <li>Transportation planning</li> <li>Building/Zoning</li> <li>Land acquisition</li> <li>Land use</li> <li>Recreation management</li> <li>Park/Preserve management</li> <li>Mining</li> <li>Construction</li> </ul>	<p>Federal, state, and local government:</p> <ul style="list-style-type: none"> <li>Environmental Protection Agency</li> <li>Natural Resource Conservation Service</li> <li>National Oceanic and Atmospheric Administration (NOAA)</li> <li>Fish and Wildlife Service</li> <li>National Park Service</li> <li>Department of Agriculture</li> <li>Department of Transportation</li> <li>Public works departments</li> <li>Planning departments</li> </ul> <p>Utilities companies Forestry Companies Indian nations Mining companies: Petroleum, mineral Consulting firms Real estate development companies Market research companies Colleges and universities Nonprofit organizations Land trust organizations: The Nature Conservancy or Trust for Public Land Zoological parks Hunting and fishing clubs Wildlife ranges</p>	<p><b>Sharpen your skills</b></p> <ul style="list-style-type: none"> <li>Develop knowledge of land and water policies, ecology and conservation history. Real estate experience may be beneficial for some positions.</li> <li>Communication and negotiation skills for interacting with various stakeholders including land owners, elected officials and conservation and community representatives.</li> </ul> <p><b>Gain experience</b> Click or tap here to enter text.</p> <p><b>Network</b></p> <ul style="list-style-type: none"> <li>Join Texas Master Naturalists on campus.</li> <li>Participate on planning boards, commissions and committees to stay abreast of local planning and conservation initiatives.</li> </ul> <p><b>Pursue a minor</b> Click or tap here to enter text.</p> <p><b>Pursue a graduate degree</b> Click or tap here to enter text.</p>	<ul style="list-style-type: none"> <li>National Center For Appropriate Technology</li> <li>Center for Environmental Management of Military Lands at Colorado State University</li> <li>City of Mansfield Parks and Recreation Department</li> </ul>	<p><b>Job titles</b></p> <ul style="list-style-type: none"> <li>Sustainable Agriculture Specialist</li> <li>Natural Resources Technician</li> </ul> <p><b>Internship titles</b></p> <ul style="list-style-type: none"> <li>Nature Education Intern</li> </ul>

*Selected information on this majors to careers information sheet was adapted from What Can I Do With This Major? produced by the University of Tennessee Center for Career Development.*